

AMENDMENTS TO THE SPECIFICATION:

Please replace the paragraph beginning on page 4, line 21 of the substitute specification filed February 6, 2007, with the following rewritten paragraph:

“In accordance with one aspect of the present invention, an apparatus provides a trusted channel among secure operating systems (OSs) ~~and a~~ to which ~~a mandatory access control (MAC) policy is applied to the trusted channel.~~ On a data transmission side, the apparatus further comprises: a MAC module for providing MAC information of a user; a kernel memory for specifying host addresses to which the trusted channel is to be applied and providing an encryption key for encryption of a packet and an authentication key for generation of authentication data; and a trusted channel sub system for determining whether or not to apply the trusted channel, if data to be transmitted to IP layer is provided from the user, by using the MAC information from the MAC module and the host addresses to which a trusted channel is to be applied from the kernel memory; creating a trusted channel header if the application of the trusted channel is determined; encrypting a specific portion of the packet; storing the authentication data in the trusted channel header; and transmitting the packet through a network.